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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/633,743	08/04/2003	Sean Rees Klopfenstein	9018M2	5602
27752 7	7590 12/28/2005		EXAMINER	
	ER & GAMBLE COMP	ANDERSON, REBECCA L		
INTELLECTUAL PROPERTY DIVISION WINTON HILL TECHNICAL CENTER - BOX 161			ART UNIT	PAPER NUMBER
6110 CENTER HILL AVENUE			1626	
CINCINNATI,	, OH 45224		DATE MAII ED: 12/28/2009	•

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/633,743	KLOPFENSTEIN ET AL.				
		Examiner	Art Unit				
		Rebecca L. Anderson	1626				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
WHICHEVER IS LONGE  - Extensions of time may be avail after SIX (6) MONTHS from the  - If NO period for reply is specified  - Failure to reply within the set or	ER, FROM THE MAILING DA able under the provisions of 37 CFR 1.13 mailing date of this communication. d above, the maximum statutory period v extended period for reply will, by statute later than three months after the mailing	Y IS SET TO EXPIRE 3 MONTH() ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE g date of this communication, even if timely filed	<ul> <li>lely filed</li> <li>the mailing date of this communication.</li> <li>O (35 U.S.C. § 133).</li> </ul>				
Status							
•	nmunication(s) filed on 22 Se						
2a) This action is FINA	,—						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
closed in accordar	ice with the practice under E	Ex parte Quayle, 1955 C.D. 11, 45					
Disposition of Claims							
•	4) Claim(s) 1-21 is/are pending in the application.						
4a) Of the above claim(s) 6-15,17,19 and 20 is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-5,16 an</u>							
· <u> </u>	<u>8 and 21</u> is/are objected to. e subject to restriction and/o	r election requirement					
	s subject to restriction and/o	r election requirement.					
Application Papers							
9) ☐ The specification is	objected to by the Examine	er.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
		drawing(s) be held in abeyance. See					
<u> </u>	• ','	tion is required if the drawing(s) is obj					
11) Ine oath or declara	ition is objected to by the Ex	kaminer. Note the attached Office	Action of form PTO-152.				
Priority under 35 U.S.C. § 1	119						
a) ☐ All b) ☐ Some	* c)☐ None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).				
<ul> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> </ul>							
•		s nave been received in Application rity documents have been receive					
·	rom the International Bureau		d in this National Stage				
• •		of the certified copies not receive	d.				
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Attachment(s)							
1) Notice of References Cited (I		4) Interview Summary Paper No(s)/Mail Da					
<ol> <li>Notice of Draftsperson's Pate</li> <li>Information Disclosure States Paper No(s)/Mail Date <u>1/04</u>.</li> </ol>			atent Application (PTO-152)				

**Art Unit: 1626** 

#### **DETAILED ACTION**

Claims 1-21 are currently pending in the instant application. Claims 6-15, 17, 19 and 20 are objected, claims 1-5, 16, 18 and 21 are objected and claims 1-5, 16 and 21 are rejected.

#### Election/Restrictions

Applicant's election with traverse of Group I, claims 1-18 and 21 and the further election the compound of example 63 in the reply filed on 22 September 2005 is acknowledged. The traversal is on the ground(s) that according to MPEP 803, the inventions are closely interrelated and in order to preserve unity of invention, all the claims should be prosecuted in the same application and there is no undue burden of search on the Examiner. This is not found persuasive because it is noted that the restriction requirement was made under 35 USC 121. 35 USC 121 gives the Commissioner (Director) the authority to limit the examination of an application where two or more independent and distinct inventions are claimed to only one invention. The examiner has indicated that more than one independent and distinct invention is claimed in this application and has restricted (limited) claimed subject matter accordingly. Thus the requirement to restrict the claims in this application is predicated on the fact that the claimed subject matter involves more than one independent and distinct invention. Nowhere do applicants argue to the contrary. No where do applicants point out and give reasons why the claims do not involve independent or distinct subject matter. Rather, applicant has argued a lack of unity standard, which does not address the premise of the restriction requirement. Notwithstanding that lack of unity is not the

Application/Control Number: 10/633,743 Page 3

Art Unit: 1626

basis for this restriction requirement, a lack of unity standard requires that the claims contain a special technical feature that defines a contribution over the art. Here the claims contain a product of the formula (I) which does not define a contribution over the art as can be seen by the following 35 USC 102(b) rejection of the non-elected subject matter of claims 1-5, 16 and 21. So, here we have claims, which involve more than one independent or distinct inventions. Under 35 USC 121, the claims may be restricted and the examination limited to a restricted invention. Thus, the requirement to restrict in this application is predicated on the fact that the elected subject matter taken as a whole and the non-elected subject matter taken as a whole are so different in structure and element as to be patentably distinct, I.e. a reference which anticipated but one group of compounds would not even render obvious the other group. In response to the lack of burdensome search argument, it is noted that the inventions are independent and distinct because there is no patentable co-action between the groups and a reference anticipating one member will not render another obvious. Each group is directed to art recognized divergent subject matter, which require different searching strategies for each group. Moreover, the examiner must perform a commercial database search on the subject matter of each group in addition to a paper search, which is quite burdensome to the examiner.

Therefore, as stated on pages 3 and 4 of the restriction requirement, the elected invention for search and examination is:

The products of formula I wherein:

A) **R1** is –L1-[C(R6aR6b)]mR7, wherein:

Page 4

Application/Control Number: 10/633,743

Art Unit: 1626

- a) **L1** is –CO-;
- b) one of **R6a** and **R6b** is hydrogen and the other is –NHCO2R9;
- c) **m** is 1;
- d) R7 is substituted or unsubstituted aryl or alkylenearyl;
- e) R9 is substituted or unsubstituted C1-C5 alkyl;
- B) **R2** is –(CH2)j-L2-[C(R11aR11b)]gR12, wherein:
  - a) **j** is 0;
  - b) **L2** is –CON(R10)-;
  - c) R10 is hydrogen or substituted or unsubstituted C1-C5 alkyl;
  - d) **g** is 0;
  - e) R12 is hydrogen or substituted or unsubstituted C1-C10 alkyl;
- C) **R3** is –(CH2)n-L3-R16, wherein;
  - a) **n** is 0;
  - b) L3 is a covalent bond;
  - c) R16 is hydrogen; and
- D) R4a, R4b, R4c and R5 are hydrogen.

The remaining subject matter of claims 1-5, 16, 18 and 21 not drawn to the above elected invention and the subject matter of claims 6-15, 17, 19 and 20 stands withdrawn under 37 CFR 1.142(b) as being for non-elected subject matter. The remaining products which are not within the elected invention, which are independent and distinct from the elected invention and do not have unity with the elected compound and are therefore withdrawn by means of a restriction requirement within the claims are,

Art Unit: 1626

for example, the products of formula I wherein: L1 is -O-, -S-, -N-, -CO2-, -OCO2-, -SO-. -SO2-, -CSN(R8)-, CON(R8)O-, -CON(R8)-, -OCON(R8)-; R6a and R6b are -OR9, -N(R9)2, CO2R9, -CON(R9)2, NHCOR9, =NR9, -R9; R9 is hydrogen, aryl or alkyenearyl; or two R9 units can be taken together to from a substituted or unsubstituted carboxcyclic or heterocyclic ring comprising from 3 to 7 atoms; m is 0 or 2-5; R7 is nil, hydrogen, alkyl, heteroalkyl, hydrocarbyl, heterocycle, heteroaryl or alkyleneheteroaryl; R7 and a R9 can be taken together to form a substituted or unsubstituted carbocyclic or heterocyclic ring comprising from 3 to 7 atoms; j is 1 to 5; L2 is -O-, -S-, N, CO2, CO, OCO2, SO, SO2, CSN(R10), CON(R100, OCON(R10); R11a and R11b are as found in claim 1; g is 1 to 5; R12 is nil, heterocycle, aryl, alkylenearyl, heteroaryl or alkyleneheteroaryl; R12 and R13 can be taken together to form a substituted or unsubstituted carbocyclic or heterocyclic ring comprising from 3 to 7 atoms; n is 1 to 5; L3 is O, S, N, CO2, CO, OCO2, SO, SO2, CSNH, CONH, OCONH; R16 is alkyl, heteroalkyl, aryl, alkylenearyl, heterocyclyl, heteroaryl or alkyleneheteroaryl; R4a, R4b, R4c and R5 are a substituted unit; or R2 and R4a, R4a and R4b, R1 and R2, or R1 and R3 can be taken together to form a carbocyclic or heterocyclic ring comprising from 3 to 7 atoms.

The above mentioned withdrawn products which are withdrawn from consideration as being for no elected subject matter differ materially in structure and composition from the compounds of the elected invention. The withdrawn compounds differ from those of the elected invention, such as, for example, by a thiazolidine, quinoline, thiophene, morpholine, oxazole, pyramiding, pyrazine, pyran, furan, etc.,

Art Unit: 1626

which are chemically recognized to differ in structure, function, and reactivity. This recognized chemical diversity of the compounds can be seen by the various classification of these compounds in the U.S. classification system, i.e. class 549 subclass (200)+ furanyl, class 549 subclass (1)+ thiophene, class 548 subclass (215)+ oxazole and class 548 subclass (146)+ thiazole, etc. Therefore, again, the compounds which are withdrawn from consideration as being for non-elected subject matter differ materially in structure and composition and have been restricted properly as a reference which anticipated but the elected subject matter would not even render obvious the non-elected subject matter. These withdrawn compounds are independent and distinct from the elected invention and do not have unity with the species elected and are therefore withdrawn by means of a restriction requirement within the claims.

The requirement is still deemed proper.

### Claim Objections

Claim 2 is objected to because of the following informalities: Claim 2 does not have the required period at the end of the sentence. Appropriate correction is required.

Claims 1-5, 16, 18 and 21 are objected to as containing non-elected subject matter. Claims 1-5, 16, 18 and 21 presented drawn solely to the elected invention identified supra as: the elected invention for search and examination, would overcome this objection.

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Application/Control Number: 10/633,743 Page 7

Art Unit: 1626

Claim 16 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Specifically, claim 16 recites the limitation "-CON(R8)-" in "L2" There is insufficient antecedent basis for this limitation in the claim as L2 is not defined in parent claim 2 (and claim 1) to include the substituent –CON(R8). L2 is only defined in claim 1 as "selected from the group consisting of covalent bond, -O-, -S-, -N-, -CO2-, -CO-, -OCO2-, -SO-, -SO2-, -CSN(R10)-, -CON(R10)-, -CON(R10)O-, -OCON(R10)-..." Therefore, claim 16 is rejected as being indefinite as the limitation of –CON(R8) in L2 lacks antecedent basis which makes the scope of the claim indeterminate.

## Non-elected Subject Matter Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The non-elected subject matter of claims 1-5, 16 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Galas et al.

Galas et al. discloses the compound of derivative No. 10, Table 1 page G178 and page G179, Table 2. Table 2 discloses the biological activities of the compounds. The compound of derivative No. 10 has the formula:

Art Unit: 1626

which corresponds to applicants instantly claimed invention of compounds and pharmaceutical compositions, for example, wherein: R5 is H; R4c, R4b, and R4a are hydrogen; R2 is –(CH2)j-L2-[C(R11aR11b)gR12 wherein j is 0, L2 is CON(R10), R10 is H, g is 0 and R12 is substituted or C1-C10alkyl or substituted hydrocarbyl; R3 is – (CH2)n-L3-R16 wherein n is 0, L3 is a bond and R16 is hydrogen; and R1 is –L1-[C(R6aR6b)]mR7 wherein L1 is –CO-, m is 1, one of R6a and R6b is hydrogen and the other is –NHCO2R9 wherein R9 is C1-C5 alkyl, and R7 is substituted C1-C10alkyl (or one of R6a is substituted C1-C5alkyl, the other is –NHCO2R9, and R7 is H).

### Conclusion

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Rebecca L. Anderson whose telephone number is (571) 272-0696. Mrs. Anderson can normally be reached Monday through Friday 5:30AM to 2:00PM.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Mr. Joseph K. McKane, can be reached at (571) 272-0699.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Page 9

Art Unit: 1626

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

December 21, 2005

Patent Examiner

Art Unit 1626, Group 1620

Technology Center 1600